

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A mixing system control method comprising:

a first providing step of storing providing a current data storage area to store a current data set on each occasion in a current data storage region, the current data set including a plurality of setting data and range data that specifies, from among the plurality of setting data, particular setting data to be included in a recall range recalled;

a storage second providing step of storing providing a scene storage area to store a plurality of scene data sets in a scene storage region, each of the scene data sets being composed of having a same data construction as the current data set on one occasion;

a signal processing step of controlling characteristics of a plurality of input signals on the basis of the setting data stored in the current data storage region and selectively mixing the input signals of the controlled characteristics in a plurality of different mixtures, on the basis of the setting data stored in the current data storage area, so as to provide a plurality of mixed signals;

a setting data change modifying step of changing modifying at least a portion of the setting data stored in the current data storage area in response to detection of setting a modifying operation;

a range data setting step of setting the range data stored in the current data storage region area, in response to detection of a recall range setting operation;

a scene storage step of, in response to detection of a storing operation for a designated one of the scene data sets stored in the scene storage area, storing the current data set, including said setting data and range data in the current data storage region area, to a storage location of the designated scene data in into the scene storage area region, in response to detection of storing operation; and

a scene recall step of, in response to detection of a recalling operation for a designated one of the scene data sets stored in the scene storage region area, writing, into the current data storage region, the particular setting data specified by the corresponding range data as data to be included in the recall range in the designated scene data set from among the plurality of setting data contained in the designated scene data set into the current data storage area.

Claim 2 (currently amended): A mixing system control method as claimed in claim 1 where said setting data ~~change~~ modifying step is a step where a user specifies setting data to be included in the recall range by a selected one of first operation for designating setting data to be recalled and second operation for designating setting data to be not recalled.

Claim 3 (currently amended): A mixing system control method as claimed in claim 1 ~~where~~ wherein the range data include validity data that indicates whether the range data themselves are valid or not, and

wherein, in said scene storage step, all the setting data are stored in the scene storage region area irrespective of whether or not the setting data belong to the recall range are specified as the particular setting data by the range data, and

wherein, which further comprises a step of, in response to predetermined operation in said scene recall step, when the validity data in the designated scene data set indicates that the range data are valid, the particular setting data specified from among the setting data in the designated scene data set are written into the current data storage area, and when the validity data in the designated scene data set indicates that the range data are not valid, writing all the setting data in the designated scene data set are written into the current data storage region area irrespective of whether or not the setting data belong to the recall range are specified as the particular setting data by the range data.

Claim 4 (original): A computer program containing a group of instructions for causing a computer to perform the mixing system control method as recited in claim 1.

Claim 5 (currently amended): A mixing system control apparatus comprising:

~~a memory including:~~ a current data storage ~~region~~ for storing a current data set ~~on each occasion~~, the current data set including a plurality of setting data and range data that specifies, from among the plurality of setting data, particular setting data to be ~~included in a recall range~~ recalled; and

a scene storage ~~region~~ for storing a plurality of scene data sets ~~in a scene storage region~~, each of the scene data sets ~~being composed of~~ having a same data construction as the current data set ~~on one occasion~~;

a signal processing section that controls characteristics of a plurality of input signals ~~on the basis of the setting data stored in the current data storage region~~ and selectively mixes the input signals of the controlled characteristics in a plurality of different mixtures, on the basis of the setting data stored in the current data storage, so as to provide a plurality of mixed signals;

a setting data ~~change~~ modifying section that ~~changes~~ modifies at least a portion of the setting data stored in the current data storage in response to detection of ~~setting~~ a modifying operation;

a range data setting section that sets the range data stored in the current data storage ~~region~~, in response to detection of a recall range setting operation;

a scene storage control section that, in response to detection of a storing operation for a designated one of the scene data sets stored in the scene storage, stores the current data set, including said setting data and range data in the current data storage, region into to a storage location of the designated scene data in the scene storage region, ~~in response to detection of storing operation~~; and

a scene recall control section that, in response to detection of a recalling operation for a designated one of the scene data sets stored in the scene storage region, writes, ~~into the current data storage region~~, the particular setting data specified by the corresponding range data ~~as data to be included in the recall range~~ in the designated scene data set from among the plurality of setting data contained in the designated scene data set into the current data storage.

Claim 6 (currently amended): A control method for a mixing system which includes a plurality of input ports for ~~receiving~~ inputting respective ones of a plurality of signals and a plurality of input channels for executing an adjustment process based on operation of any one of operators provided in corresponding relation to the input channels, and wherein any one of the input ports is allocated to each of the input channels and each of the input channels receives a signal from the input port allocated to the input channel, and the signal received by the input channel is subjected to the adjustment process in the input channel ~~where the signals received via the plurality of input ports are allocated to a plurality of input channels, the signal allocated to each of the input channels is subjected to an adjustment process based on operation of a respective one of operators provided in corresponding relation to the input channels, and the signals having been subjected to the adjustment process are further subjected to a mixing process to provide mixed signals, said control method comprising:~~

a correspondency setting step of setting correspondency between the ~~plurality of input ports and the plurality of input channels~~ and the input ports allocated thereto;

a port name assignment step of assigning a different port name to each of the ~~plurality of~~ input ports by designating a different string of characters for each of the input ports;

a name-assignment-mode setting step of designating one of a first name assignment mode and second name assignment mode for ~~any desired one~~ each of the input channels;

a first name assignment step of assigning a different channel name to ~~the desired input channel~~ each of the input channels in accordance with a ~~designated~~ string of characters designated for the input channel, on condition that said first name assignment mode is currently set for the input channel by said name-assignment-mode setting step;

a second name assignment step of assigning a channel name to ~~the desired input channel~~ each of the input channels on the basis of a port name of the input port ~~corresponding~~ allocated to the ~~desired~~ input channel, on condition that said second name assignment mode is currently set for the input channel by said name-assignment-mode setting step; and

a display step of displaying the channel name, assigned to each of the input channels by said first name assignment step or said second name assignment step, in association with the operator provided for the ~~desired~~ input channel.

Claim 7 (currently amended): A control method for a mixing system which includes a plurality of input ports for ~~receiving~~ inputting respective ones of a plurality of signals and ~~where the signals received via the plurality of input ports are allocated to a plurality of input channels, the signal allocated to each of the input channels~~ a plurality of input channels for executing an adjustment process based on operation of any one of operators provided in corresponding relation to the input channels, and wherein any one of the input ports is allocated to each of the input channels and each of the input channels receives the signals from the input port allocated to the input channel, and the signal received by the input channel is subjected to an ~~the~~ adjustment process based on operation of a respective one of operators provided in corresponding relation to the input channels in the input channel, and the signals having been subjected to the adjustment process are further subjected to a mixing process to provide mixed signals, said control method comprising:

a correspondency setting step of setting correspondency between the ~~plurality of input ports and the plurality of input channels~~ and the input ports allocated thereto;

a port name assignment step of assigning a different port name to each of the ~~plurality of~~ input ports by designating a different string of characters for each of the input ports;

a channel name assignment step of assigning a different channel name to each of the ~~plurality of~~ input channels by designating a different string of characters for each of the input channels;

a determination step of determining, for each of the input channels, whether or not the channel name assigned to the input channel includes a predetermined code; and

a display step of, for each of the input channels, displaying the channel name assigned to the input channel when it is determined that the channel name assigned to the input channel does not include ~~includes~~ the predetermined code, and displaying the channel port name assigned to the input port allocated to the input channel when it is determined that the channel name assigned to the input channel does include the predetermined code, in association with the operator provided for the input channel ~~by replacing the predetermined code with the port name corresponding to the input channel.~~

Claim 8 (original): A control method as claimed in claim 7 wherein, in said port name assignment step, the predetermined code can be entered only at a location of a first character of the channel name.

Claim 9 (original): A computer program containing a group of instructions for causing a computer to perform the control method as recited in claim 6.

Claim 10 (original): A computer program containing a group of instructions for causing a computer to perform the control method as recited in claim 7.

Claim 11 (currently amended): A control apparatus for a mixing system which includes a plurality of input ports for ~~receiving~~ inputting respective ones of a plurality of signals and a plurality of input channels for executing an adjustment process based on operation of any one of operators provided in corresponding relation to the input channels, and wherein any one of the input ports is allocated to each of the input channels and each of the input channels receives a signal from the input port allocated to the input channel, and the signal received by the input channel is subjected to the adjustment process in the input channel ~~where the signals received via the plurality of input ports are allocated to a plurality of input channels, the signal allocated to each of the input channels subjected to an adjustment process based on operation of a respective one of operators provided in corresponding relation to the input channels, and the signals having been subjected to the adjustment process are further subjected to a mixing process to provide mixed signals, said control apparatus comprising:~~

a correspondency setting section that sets correspondency between the ~~plurality of input ports and the plurality of input channels~~ and the input ports allocated thereto;

a port name assignment section that assigns a different port name to each of the ~~plurality of~~ input ports by designating a different string of characters for each of the input ports;

a name-assignment-mode setting section that designates one of a first name assignment mode and second name assignment mode for ~~any desired one~~ each of the input channels;

a first name assignment section that assigns a different channel name to ~~the desired input channel~~ each of the input channels in accordance with a ~~designated~~ string of characters designated for the input channel, on condition that said first name assignment mode currently is set for the input channel by said name-assignment-mode setting section;

a second name assignment section that assigns a channel name to ~~the desired input channel~~ each of the input channels on the basis of a port name of the input port ~~corresponding~~ allocated to the ~~desired~~ input channel, on condition that said second name assignment mode is currently set for the input channel by said name-assignment-mode setting section; and

a display section that displays the channel name, assigned to each of the input channels by said first name assignment section or said second name assignment section, in association with the operator provided for the ~~desired~~ input channel.

Claim 12 (currently amended): A control apparatus for a mixing system which includes a plurality of input ports for ~~receiving~~ inputting respective ones of a plurality of signals and ~~where the signals received via the plurality of input ports are allocated to a plurality of input channels, the signal allocated to each of the input channels~~ a plurality of input channels for executing an adjustment process based on operation of any one of operators provided in corresponding relation to the input channels, and wherein any one of the input ports is allocated to each of the input channels and each of the input channels receives the signals from the input port allocated to the input channel, and the signal received by the input channel is subjected to an the adjustment process based on operation of a respective one of operators provided in corresponding relation to the input channels in the input channel, and the signals having been subjected to the adjustment process are further subjected to a mixing process to output mixed signals, said control apparatus comprising:

a correspondency setting section that sets correspondency between the ~~plurality of input ports and the plurality of input channels and the input ports allocated thereto~~;

a port name assignment section that assigns a different port name to each of the ~~plurality of~~ input ports by designating a different string of characters for each of the input ports;

a channel name assignment section that assigns a different channel name to each of the ~~plurality of~~ input channels by designating a different string of characters for each of the input channels;

a determination section that determines, for each of the input channels, whether or not the channel name assigned to the input channel includes a predetermined code; and

a display section that, for each of the input channels, displaying the channel name assigned to the input channel when it is determined that the channel name assigned to the input channel does not include ~~includes~~ the predetermined code, and displays the channel port name assigned to the input port allocated to the input channel when it is determined that the channel name assigned to the input channel includes the predetermined code, in association with the operator provided for the input channel ~~by replacing the predetermined code with the port name corresponding to the input channel~~.